

MH-5144

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

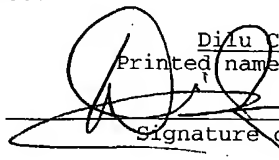


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\* \* \*

TRANSMITTAL LETTER

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ATTN: Mail Stop Patent Applications**

Sir:

Transmitted herewith for filing is the patent application of:  
Andreas Molisch, Ye Li, and Jinyun Zhang.

FOR: ESTIMATING CHANNEL IMPULSE RESPONSE AND EQUALIZER COEFFICIENTS  
IN UWB COMMUNICATION SYSTEMS

Enclosed are:

- [19] pages of specification, claims and abstract
- [8] sheet of formal drawings
- [x] Declaration and Power of Attorney
- [x] Assignment of the application
- [ ] Information Disclosure Statement

The filing fee is calculated as follows:

| CLAIMS AS FILED                 |                 |                 |                 |           |           |
|---------------------------------|-----------------|-----------------|-----------------|-----------|-----------|
|                                 | NUMBER<br>FILED | NUMBER<br>EXTRA | LARGE<br>ENTITY |           | AMOUNT    |
| Basic Fee                       |                 |                 |                 | \$ 750.00 | \$ 750.00 |
| Total Claims                    | 9               | -20 = 2         | x               | 18.00     |           |
| Independent<br>Claims           | 1               | -3 =            |                 | \$80.00   |           |
| Assignment<br>Recording Fee     |                 |                 |                 | 40.00     | \$ 40.00  |
| Multiple Dependent Claim<br>Fee |                 |                 |                 | 270.00    |           |

Other

TOTAL FEE \$ 790.00

- [X] Please record the accompanying Assignment.
- [X] Please charge Deposit Account No. 50-0749 in the amount of \$ 790.00 for filing fees.
- [ ] Check in the amount of \$ .00 for Filing Fee.
- [X] The Assistant Commissioner for Patents is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 50-0749.

All future correspondence should be addressed to:

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Cambridge, Massachusetts 02139

Duplicate copies of this letter are enclosed.

Respectfully submitted,  
MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC.

By: \_\_\_\_\_

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